

FIGURE 1

Wildtype Locus

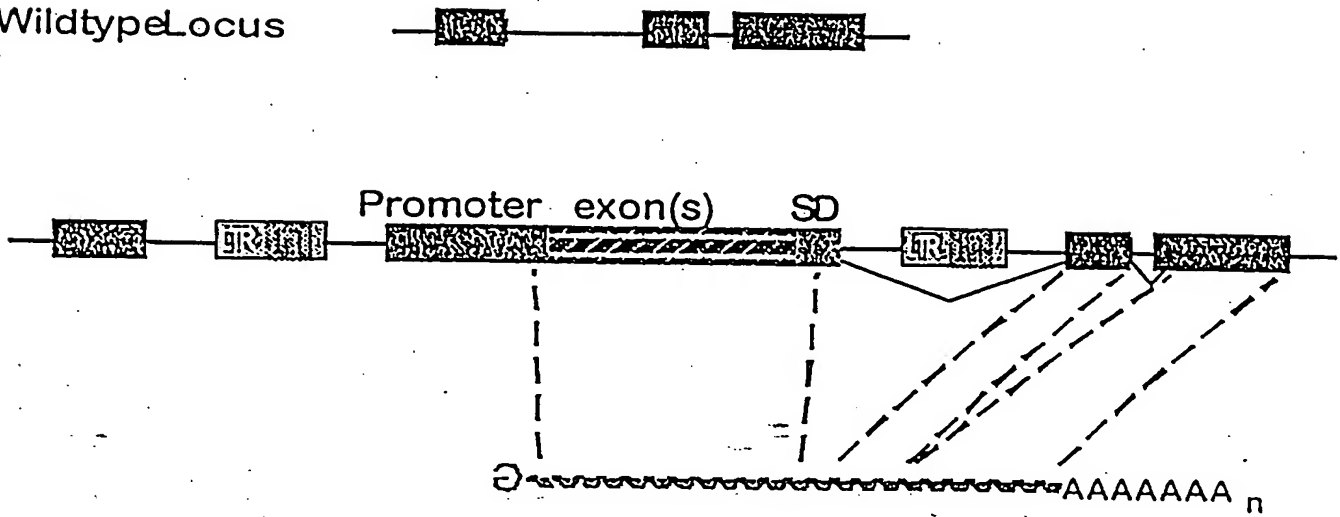
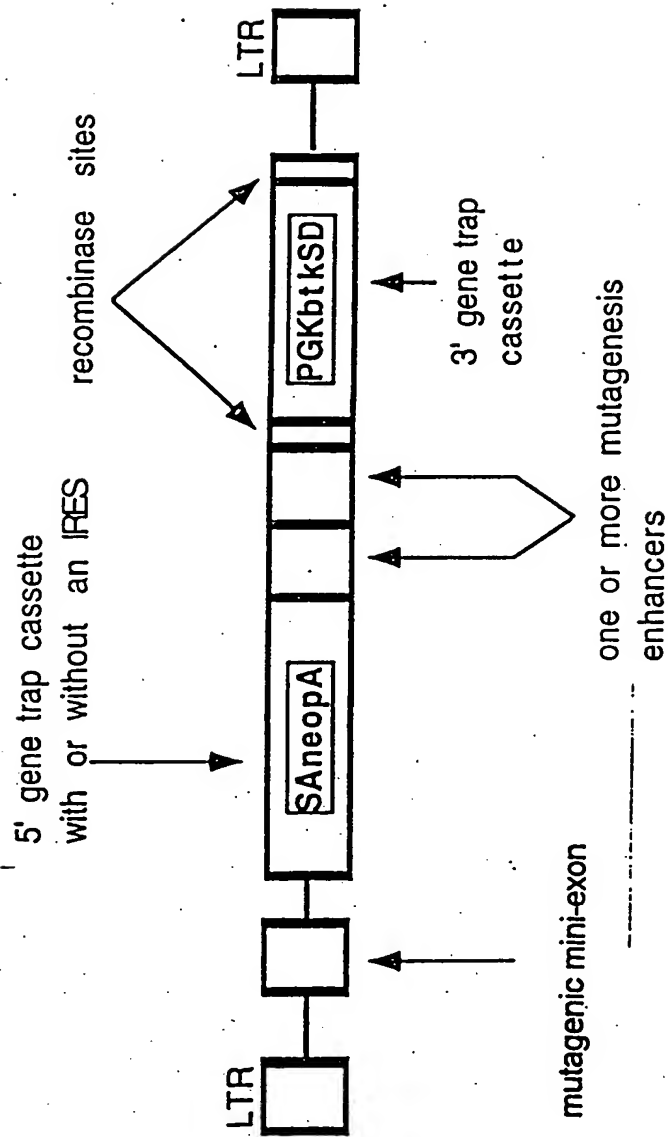


FIGURE 2



5' CACGTCTGCAGATCATGAGGATGCTAATCCTTGATGGCATGCACTATG
CGCGATGATCTGCAGACGTG3'

3' G U G C A G A C G U C U C U A G U A

5' C A C G U C U G C A G A U C A U

Predicted cleavage site

A G G A U

U C C U A

C U A U G C

A U A C G

C G

G U A G

U

A

G

C

U

FIGURE 3b

5' CACGTCTGCAGTCCGGAGGAGTGTGTTTCTCCTCCGCTGATGAGTCCG
TGAGGACGAAACTGCAGACGTG3'

Predicted secondary structure and cleavage site for LEX-SCS2 transcribed RNA

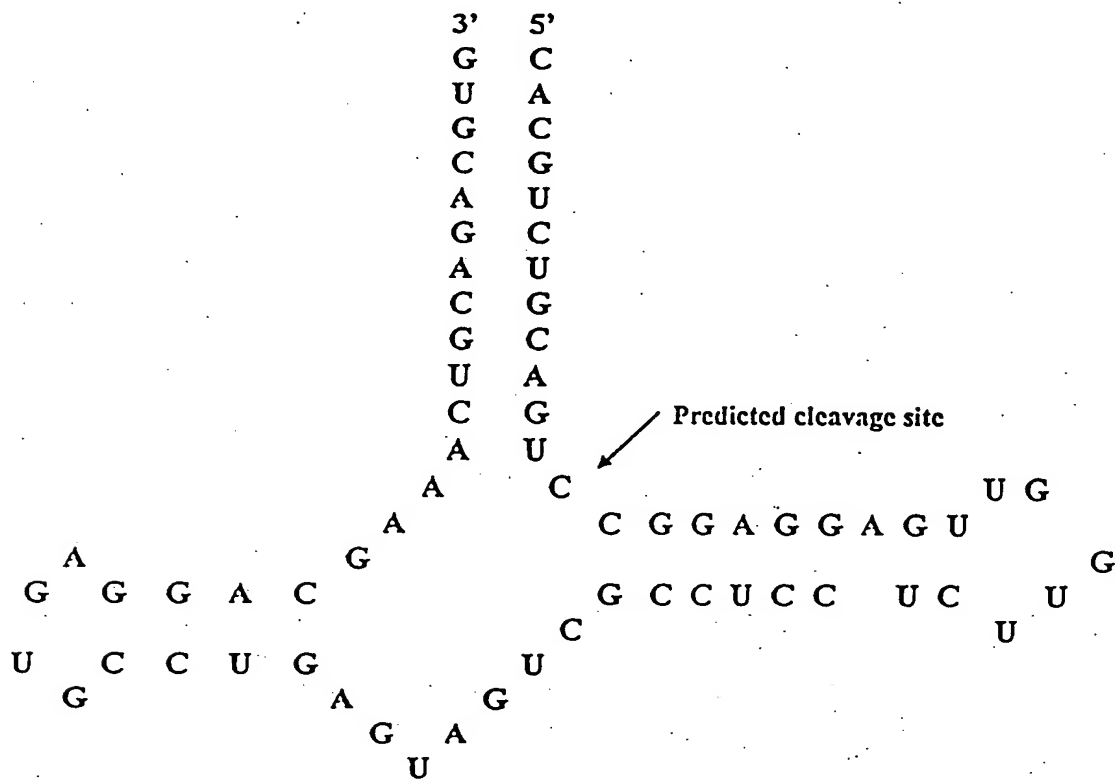


Figure 4

GGATCCGAATTCTCGAGGCTAAGCCAGTTTTTCGTACCCTTGACTGCGTTTCATCGATTGCTACTAACATTGCCTTTTCC
TCCTTCCCTCCCACAGGTGGAAGAGCTCGGGTACCAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAG
AGGAGAGGAGAGGAGATCTCAGGTGAGTTCGCATGTGCTTCGAACTTGTGTGCATGCGTTCTAAAAGGGCTTCTCTTGGT
GTTTCGATCTGGGGCTAAGCTTAATTAAGAATTCGGATCC

Figure 5.

GTGGAAGAGCTCGGGTACCAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGATCTCAGGTGAGTTCGCATGTGCTT;

ATGTGGAAGAGCTCGGGTACCAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGATCTCAGGTGAGTTCGCATGTGCTT;

GTGGAAGAGCTCGGGTACC (N) _{0..n} TCTCAGGT (intron_{synthetic or naturally occurring}) ;

ATGTGGAAGAGCTCGGGTACC (R) _{0..n} TCTCAGGT (intron_{synthetic or naturally occurring}) ;

ATGTGGAAGAGCTCGGGTACC (V) _{0..n} TCTCAGGT (intron_{synthetic or naturally occurring})

AGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGATCTCAGGT (intron_{synthetic or naturally occurring}) ;

ATGGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGATCTCAGGTGAGTTCGCATGTGCTT;

ATGG (AGAGG) _{1..50} GAGTTCGCATGTGCTT;

ATGG (AGAGG) _{1..50} (intron_{synthetic or naturally occurring}) .

n<500